

IN THE CLAIMS

Please replace the claims now on file with the following claims.

1-215. (Canceled)

216. (New) A diffractive multi focal intraocular lens comprising:

a first refractive surface;

a second refractive surface;

a diffractive pattern on at least one of said first refractive surface and said second refractive surface;

wherein said first refractive surface, said second refractive surface, and said diffractive pattern result in a base focus and an additional focus; and

wherein at least one of said first refractive surface and said second refractive surface has an aspheric component to its shape.

217. (New) The lens of claim 216 wherein said aspheric component is a prolate shape.

218. (New) The lens of claim 216 wherein said aspheric component reduces spherical aberration of a wavefront that passes through said lens.

219. (New) The lens of claim 218 wherein, when said wavefront is represented as a series of Zernike polynomials, a Zernike Z11 term describing said wavefront is reduced when said wavefront passes through said lens.

220. (New) The lens of claim 219 wherein said series of Zernike polynomials comprises up to at least fourth order terms.

221. (New) The lens of claim 216 wherein said lens comprises at least one of a silicone, a hydrogel, and an acrylate.

222. (New) The lens of claim 216 wherein the same refractive surface defines both said aspheric component and said diffractive pattern.

223. The lens of claim 216 wherein an add power for said additional focus is between 2 and 6 diopters.

224. (New) The lens of claim 216 wherein an add power for said additional focus is 3 to 4 diopters.

225. The lens of claim 216 wherein a light distribution between said base focus and said additional focus is between 70%:30% to 30%:70%.

226. (New) The lens of claim 216 wherein a light distribution between said base focus and said additional focus is 50%:50%.

